

# STATEMENT OF CONFORMANCE



**Date of issue:** 24 May 2024

**Customer:** TransNet NZ Ltd

**Product Family:** **Heavy Duty Copper Lugs:** The TNTCU range of solid Copper lugs are manufactured from solid Copper bar. These Copper lugs are designed for use in high fault current potential areas.

**Product Range:** **Cu only:** 16mm<sup>2</sup> to 95mm<sup>2</sup> compression lugs with M8 - M12 stud holes.

**Standards:** IEC 61238-1 :2003 Class B (Heat cycle tests only).  
Compression and mechanical connectors for power cables for rated voltages up to 30kV (Um= 36kV).  
Part 1: Test Methods and requirements.

IEC 61238-1-1:2018 Class B (Heat cycle tests only).  
Compression and mechanical connectors for power –  
Part 1-1: Test methods and requirements for rated voltages up to 1kV (Um= 1.2kV) tested on non-insulated conductors.

The products described above, supplied by Transnet, have been tested by Nexans NZ in accordance with the IEC 61238-1:2003 Standard, Class B. The standard requires testing of the largest, smallest and two intermediate sizes to qualify the whole family range. Also testing with a compacted conductor qualifies the range as being suitable for stranded round conductors and stranded sector shaped conductors.

The lugs tested all complied with the required performance criteria of the standard and demonstrated that common and relevant design criteria were used for this family of connectors.

Signature:

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**Saddat Shamsuddin**  
Technical Manager  
Nexans NZ Ltd

Signature

A blue ink signature of Andrew Robinson.

**Andrew Robinson**  
Technical Engineer  
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